DRYTECH®
METAL CUTTING SAW BLADES

JEPSON POWER® GERMANY
Leading Through Innovation since 1984

09 2024

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JEPSON POWER.

LEADING THROUGH INNOVATION.

Jepson Power, founded in 1984, revolutionized the industry with its pioneering dry cut technology, offering the highest-quality saw blades for metal and composite processing.

Through continuous innovation and investment in R&D, Jepson Power has maintained its position as a leader, offering fast, burr-free cutting without cooling and with extended service life.

Customer specific geometries, coatings, bores, and more showcase our commitment to tailored excellence. Our ongoing dedication to innovation drives us to set new industry standards, building on our legacy of forward-thinking since the 1980s.

Today, we continue being at the forefront of developing the next generation of saw blades.

research & development in germany

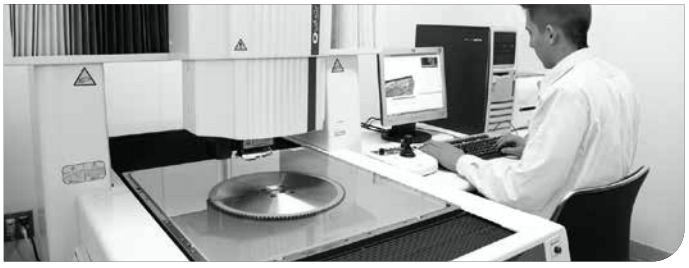
lasering the segments

hardening by heat treatment

soldering the carbide teeth

sharpening process

continuous quality control



carbide tipped saw blades construction / industry

Ø	160 - 355 | 6" - 14"
material	steel, non-ferrous metals, plastics, composite materials, stainless steel
for:	power tools and semi- or fully automatic stationary machines

carbide tipped saw blades industry / production

Ø	100 - 730 | 4" - 29" (+)
material	steel, non-ferrous metals, plastics, composite materials, stainless steel
for:	fully and semi-automatic sawing systems / machining centers

carbide tipped saw blades NSF coated

Ø	230 - 355 | 9" - 14" (+)
material	stainless steel
for:	power tools and fully and semi-automatic sawing systems / machining centers

carbide tipped saw blades for aluminum

Ø	100 - 600 | 4" - 24"
material	aluminium, non-ferrous metals
for:	CNC machining centers, double mitre saws, hand saws, semi- or fully automatic stationary machines

carbide tipped saw blades LBS impact resistant

Ø	137 - 255 | 5³⁄₈" - 10"
material	steel, non-ferrous metals, plastics, composite materials
for:	power tools and semi- or fully automatic stationary machines

carbide tipped saw blades for stainless steel

Ø	137 - 203 | 5³⁄₈" - 8"
material	stainless steel
for:	power tools and semi- or fully automatic stationary machines

carbide tipped saw blades milling

Ø	100 - 160 | 4" - 6"
material	stainless steel, mild steel, aluminum
for:	5-axis machining centers

carbide tipped saw blades for carbon fiber

Ø	70 - 405 | 3" - 16"
material	CFRP, CFRTP, AFR, plastics, glass fibre
for:	manual, semi- or fully automatic stationary machines

throw away saw blades

Ø	250 - 460 | 10" - 18"
material	solid steel, stainless steel, non-ferrous metals, cast iron
for:	fully automatic stationary machines

01 DRYTECH® TCT HIGH SPEED METAL CUTTING SAW BLADES

+ DESCRIPTION

Carbide tipped saw blades for fast, almost burr-free, coolant-free cutting. We offer a wide range of different geometries to guarantee the best possible result for the material you are looking to cut.

+ APPLICATION

Construction and industry.
Applicable on high speed stationary semiautomatic and full automatic cutting units, power tools, cordless tools.

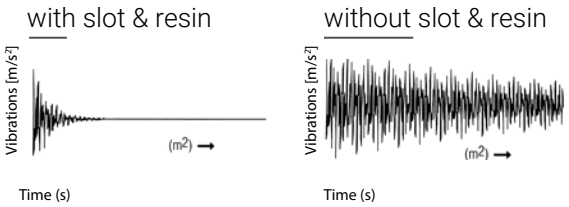
+ MATERIAL

Trims, tubes, shutter profiles, sandwich panels, window profiles and ventilation profiles etc., made of:

- steel
- stainless steel
- plastics
- composite materials
- aluminum
- other non-ferrous metals

+ ADVANTAGES

- eco friendly dry cut technology
- thinnest kerf
- shortest cycle times thanks to high cutting speed
- material saving through thin-cutting technology
- flexible application in different materials and shapes
- very high durability
- excellent cut quality
- resharpenable up to 5 times due to generous carbide teeth
- anti-noise slots filled with synthetic resin (Ø ≥ 255 mm | 10")



+ SPECIFICATIONS

saw blade diameter	137 - 355 [mm] | 5³/₈- 14 ["]
max. rotational speed	1.800 - 4.200 [min^{-1}]
kerf	1,50 - 2,20 [mm] | 0.59 - 1.34 ["]
pin holes	customizable

+ REDUCTION RINGS

30 x 25,4 x 1,2	720RING30x25.4
25,4 x 16 x 1,2	720RING25.4x16
20 x 16 x 1,2	720RING20x16

+ PRODUCT RANGE

Ø		bore		kerf		teeth	max. rpm	t. shape	application	reference
mm	inch	mm	inch	mm	inch					
137	5 3/8	20	0.79	1,50	.059	30	4.000	VVC	stainless steel	72113730I
150	6	20	0.79	1,50	.059	42	4.000	VVC	stainless steel	72115042I
160	6 1/4	30*	1.18	1,80	.071	32	4.200	VN	steel	72016032
165	6 1/2	20	0.79	1,70	.067	48	4.000	VVC	stainless steel	72116548I
180	7	30*	1.18	1,85	.073	36	4.000	VN	steel	72018036
180	7	20	0.79	1,85	.073	36	4.000	VN	steel	72118036
180	7	20	0.79	1,60	.063	48	4.000	ATB	steel	72118048S
180	7	20	0.79	2,00	.079	48	4.000	Y	steel & stainless steel	72118048YS
192	7 1/2	20	0.79	1,85	.073	48	4.000	W	steel (thin)	719248
192	7 1/2	20	0.79	1,85	.073	48	4.000	DZ	aluminum	719248A
192	7 1/2	20	0.79	1,85	.073	70	4.000	VN	metal sheets	719270
200	8	30*	1.18	1,90	.075	40	3.800	VN	steel	72020040
200	8	30*	1.18	1,90	.075	60	3.800	VN	steel (thin)	72020060
203	8	25,4	1	1,90	.075	42	3.800	Y	stainless steel	72120342I
203	8	25,4	1	1,90	.075	48	3.800	DZ	aluminum	72120048A
203	8	25,4	1	1,70	.067	54	3.800	VVC	stainless steel (cordless)	72120354I
203	8	25,4	1	1,90	.075	70	3.800	VN	steel (thin wall)	72120070
210	8 1/4	30*	1.18	2,00	.079	42	3.600	VN	steel	72021042
210	8 1/4	30*	1.18	2,00	.079	64	3.600	VN	steel (thin wall)	72021064
230	9	30*	1.18	2,00	.079	48	3.000	VN	steel	72023048
230	9	30*	1.18	2,00	.079	60	3.000	DZ	aluminum	72023060
230	9	30*	1.18	2,00	.079	68	3.000	VN	steel (thin)	72023068
230	9	25,4	1	2,00	.079	48	3.000	VN	steel	72123048
230	9	25,4	1	2,00	.079	48	3.000	Y	steel & stainless steel	72123048I
230	9	25,4	1	2,00	.079	60	3.000	DZ	aluminum	72123060
230	9	25,4	1	2,00	.079	68	3.000	VN	steel (thin)	72123068
230	9	25,4	1	2,00	.079	84	3.000	VN	metal sheets	72123084
255	10	25,4	1	2,00	.079	60	2.200	W	steel	600598
255	10	25,4	1	2,00	.079	66	2.200	Y	steel (thin)	600654
255	10	25,4	1	2,20	.087	80	2.200	DZ	aluminum	600655A
305	12	25,4	1	2,20	.087	60	1.800	W	steel	600530
305	12	25,4	1	2,20	.087	60	1.800	VVC	steel & stainless steel	600530 40
305	12	25,4	1	2,20	.087	60	1.800	VVC	cast iron	600535
305	12	25,4	1	2,20	.087	80	1.800	W	steel (thin)	600540
320	12 5/8	25,4	1	2,20	.087	84	1.800	Y	steel	608276
320	12 5/8	25,4	1	2,20	.087	72	1.800	Y	steel (thick)	608278
320	12 5/8	25,4	1	2,20	.087	72	1.800	Y	aluminum	608278A
355	14	25,4	1	2,20	.087	120	1.800	Y	stainless- & steel (thin)	600512I
355	14	25,4	1	2,20	.087	90	1.800	Y	steel & stainless steel	600570
355	14	25,4	1	2,20	.087	72	1.800	VVC	stainless- & steel (thick)	600580
355	14	25,4	1	2,20	.087	60	1.800	VVC	stainless- & steel (thick)	600590
355	14	25,4	1	2,20	.087	60	1.800	VVC	cast iron	600591
355	14	25,4	1	2,20	.087	66	1.800	W	steel	600595
355	14	25,4	1	3,40	.134	96	3.500	TFN	aluminum	600594

* reducing rings included (30/25, 30/20, 30/16)

02 DRYTECH® TCT HIGH SPEED METAL CUTTING SAW BLADES - INDUSTRY GRADE

+ DESCRIPTION

Industry grade carbide and cermet tipped saw blades, going up to Ø 730 mm | 29”. Fast, almost burr-free, coolant-free cutting. We offer a wide range of different geometries to guarantee the best possible result for the material you are looking to cut. Custom sizes, bores, geometries on request.

+ APPLICATION

For industrial use.
Applicable on high speed stationary semiautomatic and full automatic cutting units.

+ MATERIAL

Trims, tubes, shutter profiles, sandwich panels, window profiles and ventilation profiles etc., made of:

- steel
- stainless steel
- plastics
- composite materials
- aluminum
- other non-ferrous metals

+ ADVANTAGES

- eco friendly dry cut technology
- thinnest kerf
- shortest cycle times thanks to high cutting speed
- material saving through thin-cutting technology
- flexible application in different materials and shapes
- anti-noise slots filled with synthetic resin
- highest durability
- best cut quality
- resharpenable up to 5 times due to generous carbide teeth
- highest quality carbide / cermet

+ SPECIFICATIONS

saw blade diameter	100 - 730 [mm] | 4 - 29 [“]
cutting speed	max. 1.800 [m/min]
feed speed	max. 6.000 [mm/min]
kerf	1 - 4 [mm] | .039 - .157 [“]
center hole	customer specific
pin holes	customer specific

+ PRODUCT RANGE

Ø		bore		kerf		teeth	t.shape	application	reference
mm	inch	mm	inch	mm	inch				
100	4	20	0.79	1	.039	40	TCG	thin steel	DTS1002040
100	4	20	0.79	1,6	.063	22	TCG	steel	DTS1002022
100	4	20	0.79	2,5	.098	26	TCG	steel	DTS1002026
110	4 3/8	20	0.79	1,6	.063	24	TCG	steel	DTS1102024
110	4 3/8	20	0.79	1,6	.063	36	VVC	stainless	DTS1102036
125	5	20	0.79	1,6	.063	28	TCG	steel	DTS1252028
125	5	20	0.79	1,5	.059	30	TCG	steel	DTS1252030
255	10	25,4	1.00	2	.079	60	TCG	steel	DTS2550600002
255	10	25,4	1.00	2	.079	66	Y	steel - thin	DTS2550661003
305	12	25,4	1.00	2,2	.087	60	W	steel	DTS3050600002
305	12	25,4	1.00	2	.079	72	VVC	steel and stainless	DTS3050720002C
305	12	25,4	1.00	3	.118	72	VVC	cast iron	DTS3050720003C
305	12	25,4	1.00	2,2	.087	80	W	steel - thin	DTS3050801003
355	14	25,4	1.00	2,2	.087	90	Y	steel & stainless - thin	DTS3550901004
355	14	25,4	1.00	2,2	.087	72	K	steel & stainless	DTS3550721003
355	14	25,4	1.00	2,2	.087	66	W	steel	DTS3550660002
405	16	25,4	1.00	2,5	.098	80	W	steel	DTS4050800002
405	16	25,4	1.00	2,5	.098	102	Y	steel & stainless	DTS4051021003
455	18	50	1.97	3,4	.134	100	W	steel	DTS4551000002
455	18	50	1.97	3,4	.134	120	Y	steel & stainless	DTS4551201003
560	22	50	1.97	3,6	.142	120	W	steel	DTS5601200002
560	22	50	1.97	3,6	.142	132	Y	steel & stainless	DTS5601321003
630	25	60	2.36	4	.157	140	W	steel	DTS6301400002
630	25	60	2.36	4	.157	150	Y	steel & stainless	DTS6301501003
630	25	60	2.36	4	.157	210	W	steel	DTS6302100002
680	27	60	2.36	4	.157	140	W	steel	DTS6801400002
680	27	60	2.36	4	.157	150	Y	steel	DTS6801501003
680	27	60	2.36	4	.157	210	W	steel	DTS6802100002
700	28	60	2.36	4	.157	210	W	steel	DTS7002100002
730	29	60	2.36	4	.157	210	W	steel	DTS7302100002

* Special sizes on request

03 DRYTECH® TCT NSF-SPECIAL COATED SAW BLADES FOR STAINLESS STEEL

+ DESCRIPTION

The NSF saw blades are processed with an aluminum-titanium-chromium nitride layer, so that they are ideally suited for special applications when machining materials that tend to stick together. The silver-colored layer is characterized by high hardness and resistance to oxidation. In addition, the NSF saw blade is designed to minimize the tendency to adhesion when processing stainless steel. Special sizes on request.

+ APPLICATION

Food sector, construction and industry. Applicable on power tools & high-speed full- & semiautomatic stationairy cutting units

+ MATERIAL

Trims, tubes, shutter profiles, sandwich panels, window profiles and ventilation profiles etc., made of:

- stainless steel
- Al-alloys
- gray cast iron

+ ADVANTAGES

- eco friendly dry cut technology
- lower friction - up to 3 times higher durability
- no tarnishing of materials
- lower cost/cut than standard saw blades
- resharpenable up to 5 times

+ SPECIFICATIONS

Material	AlTiCrN (Stacked)
Microhardness HV 0,05	3.000 +/- 30
Coefficient of friction against steel 100Cr6	0,4
Maximale operating temperature	800° C / 1.470°F
Thickness	2 - 4 µm

+ PRODUCT RANGE

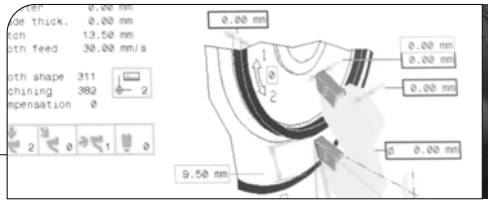
Ø		bore		kerf		teeth	max. rpm	t.shape	application	reference
mm	inch	mm	inch	mm	inch					
230	8	25,4	1	2	.079	48	3.000	Y	stainless steel	72123048NSF
255	10	25,4	1	2	.079	66	2.200	Y	stainless steel	600654NSF
320	12 5/8	25,4	1	2,2	.087	84	1.800	Y	stainless steel	608276NSF
355	14	25,4*	1*	2,2	.087	90	1.800	Y	stainless steel	600570NSF
405	16	25,4	1	2,5	.098	102	1.800	Y	stainless steel	DTS4051021003NSF
455	18	50	2	3,4	.134	120	1.800	Y	stainless steel	DTS4551201003NSF
560	22	50	2	3,6	.142	132	1.800	Y	stainless steel	DTS5601321003NSF

* with pin bore (4/11/TK 55 mm)

+ RESHARPENING

We offer our services for resharpening, replacing and coating hard metal tips for carbide-tipped saw blades.
Please send the saw blades to be sharpened to the following address:

Jepson Power GmbH
Sharpening service
Ernst-Abbe Straße 5
52249 Eschweiler, Germany



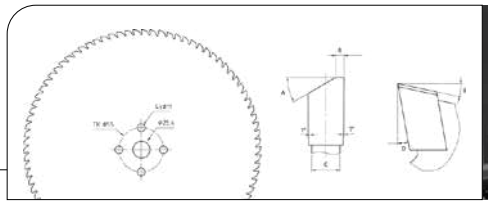
+ CUSTOMIZED SAW BLADES

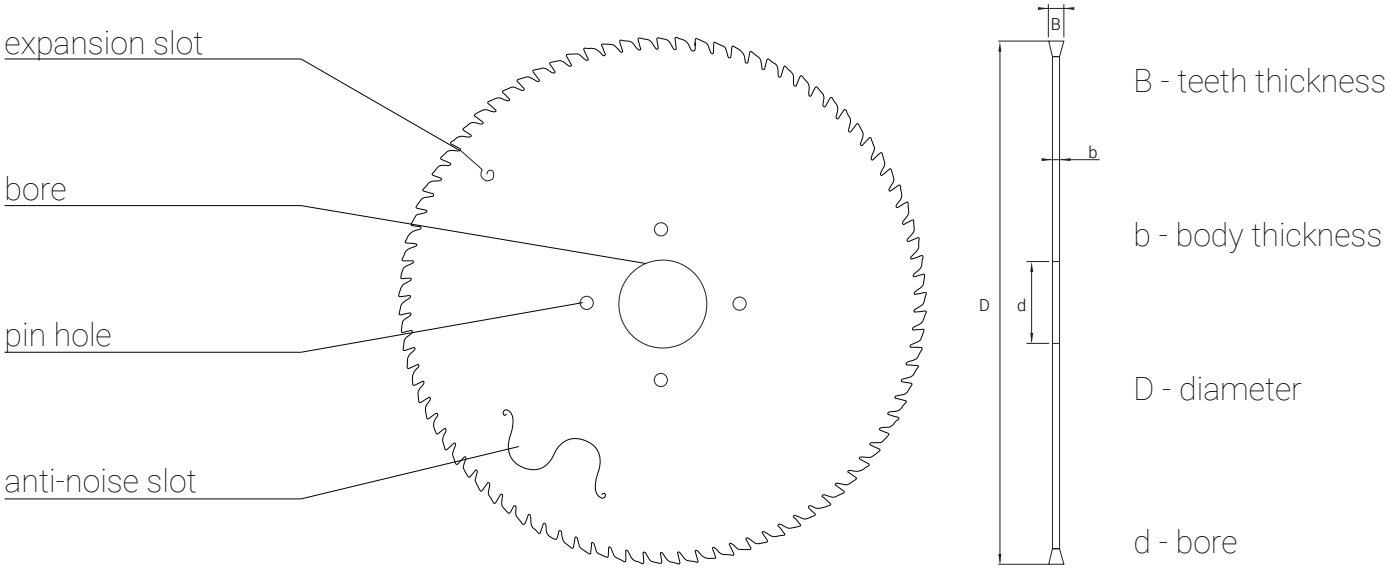
Have you not found a suitable saw blade in our range? No problem!

Jepson Power has been manufacturing customized saw blades for metalworking since 1984 and will work with you to develop the perfect saw blade for your project.

We have already developed a large number of customized carbide-tipped saw blades for fast and burr-free cutting of metal tubes, plates and profiles without coolant on high-speed stationary semi-automatic and fully automatic machines and portable cutting machines.

Whether steel, stainless steel, plastic, composite materials, aluminum or other non-ferrous metals - we will find the solution for your project!





+ DESCRIPTION

Carbide tipped saw blades for fast, almost burr-free cutting.
Special tooth geometry TFP or TFN (positive or negative trapezoidal flat tooth) and optimized carbide mixture for the best cutting results when cutting non-ferrous metals.

+ APPLICATION

Ideal for CNC machine center, double mitre saws, manual machines, semi or fully automated staionary machines

+ MATERIAL

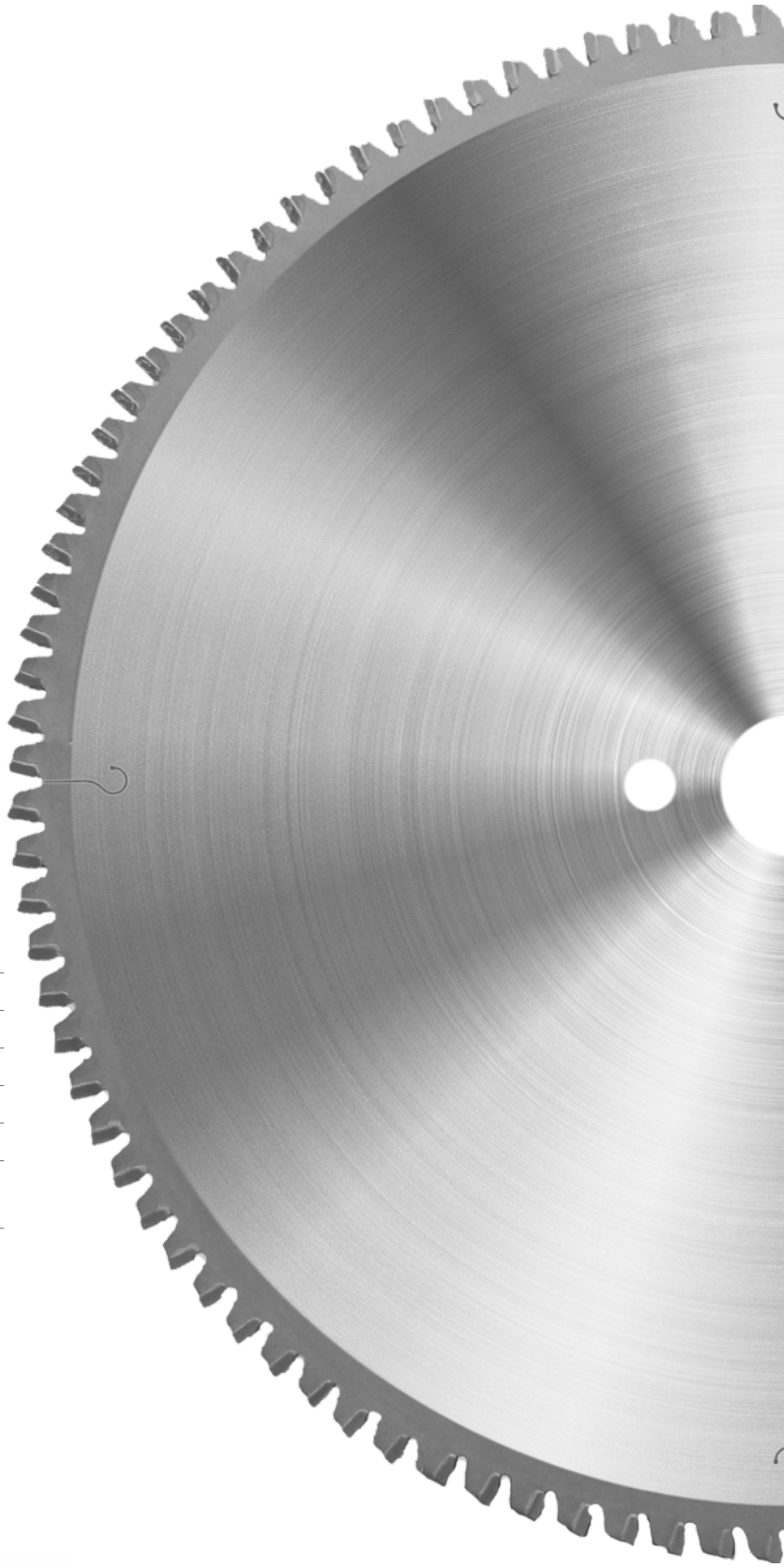
Pipes, profiles, plates and solids made of:
- aluminum
- brass
- zinc
- copper
- other non-ferrous metals

+ ADVANTAGES

- excelent cutting quality
- longest service life
- reduces machine set up times
- higher durability
- resharpenable
- maximum noise reduction

+ SPECIFICATIONS

saw blade diameter	100 - 600 [mm] 4 - 24 [“]
feed speed	max. 6.000 [mm/min]
feed rate fz	0,01 - 0,02 mm/tooth
kerf	1.8 - 4.2 [mm] | .071 - .165 [“]
center hole	customer specific
pin holes	2 | 11 | 63 (or customer specific)



TFP

TFN

+ PRODUCT RANGE

Ø		bore		kerf		teeth	max. rpm	reference (TFP)	reference (TFN)
mm	inch	mm	inch	mm	inch				
100	4	20	0.79	1,8	.071	30	16.000	AL100030	AL100030N
100	4	20	0.79	2,5	.098	16	16.000	AL100016	AL100016N
100	4	20	0.79	3,0	.118	16	16.000	AL100316	AL100316N
110	4 3/8	20	0.79	1,8	.071	30	16.000	AL110030	AL110030N
125	5	20	0.79	1,8	.071	36	13.000	AL125036	AL125036N
125	5	22	0.87	3,0	.118	16	13.000	AL125016	AL125016N
160	6 1/4	22	0.87	3,0	.118	16	9.000	AL160016	AL160016N
200	8	30	1.18	3.0 / 2.0	.118/.079	60	8.000	AL20030060	AL20030060N
216	8 1/2	30	1.18	3.0 / 2.0	.118/.079	60	7.000	AL21630060	AL21630060N
250	10	30	1.18	3.2 / 2.2	.126/.087	60	7.000	AL25030060	AL25030060N
250	10	32	1.26	3.2 / 2.2	.126/.087	60	7.000	AL25032060	AL25032060N
250	10	30	1.18	3.2 / 2.2	.126/.087	80	7.000	AL25030080	AL25030080N
250	10	32	1.26	3.2 / 2.2	.126/.087	80	7.000	AL25032080	AL25032080N
300	12	30	1.18	3.2 / 2.4	.126/.087	72	6.000	AL30030072	AL30030072N
300	12	32	1.26	3.2 / 2.4	.126/.094	72	6.000	AL30032072	AL30032072N
300	12	30	1.18	3.2 / 2.4	.126/.094	84	6.000	AL30030084	AL30030084N
300	12	32	1.26	3.2 / 2.4	.126/.094	84	6.000	AL30032084	AL30032084N
300	12	30	1.18	3.2 / 2.4	.126/.094	96	6.000	AL30030096	AL30030096N
300	12	32	1.26	3.2 / 2.4	.126/.094	96	6.000	AL30032096	AL30032096N
350	14	30	1.18	3.4 / 2.8	.126/.094	84	5.000	AL35030084	AL35030084N
350	14	32	1.26	3.4 / 2.8	.134/.110	84	5.000	AL35032084	AL35032084N
350	14	30	1.18	3.4 / 2.8	.134/.110	96	5.000	AL35030096	AL35030096N
350	14	32	1.26	3.4 / 2.8	.134/.110	96	5.000	AL35032096	AL35032096N
350	14	30	1.18	3.4 / 2.8	.134/.110	108	5.000	AL35030108	AL35030108N
350	14	32	1.26	3.4 / 2.8	.134/.110	108	5.000	AL35032108	AL35032108N
400	16	30	1.18	3.4 / 2.8	.134/.110	96	4.500	AL40030096	AL40030096N
400	16	32	1.26	3.4 / 2.8	.134/.110	96	4.500	AL40032096	AL40032096N
400	16	30	1.18	3.4 / 2.8	.134/.110	120	4.500	AL40030120	AL40030120N
400	16	32	1.26	3.4 / 2.8	.134/.110	120	4.500	AL40032120	AL40032120N
420	16 1/2	30	1.18	3.8 / 3.0	.150/.118	108	4.000	AL42030108	AL42030108N
420	16 1/2	32	1.26	3.8 / 3.0	.150/.118	108	4.000	AL42032108	AL42032108N
450	18	30	1.18	3.8 / 3.0	.150/.118	96	4.000	AL45030096	AL45030096N
450	18	32	1.26	3.8 / 3.0	.150/.118	96	4.000	AL45032096	AL45032096N
450	18	30	1.18	3.8 / 3.0	.150/.118	108	4.000	AL45030108	AL45030108N
450	18	32	1.26	3.8 / 3.0	.150/.118	108	4.000	AL45032108	AL45032108N
500	20	30	1.18	4.0 / 3.2	.157/.126	120	3.500	AL50030120	AL50030120N
500	20	32	1.26	4.0 / 3.2	.157/.126	120	3.500	AL50032120	AL50032120N
550	22	30	1.18	4.2 / 3.5	.157/.126	132	3.000	AL55030132	AL55030132N
550	22	32	1.26	4.2 / 3.5	.165/.138	132	3.000	AL55032132	AL55032132N
600	24	30	1.18	4.2 / 3.5	.165/.138	144	2.800	AL60030144	AL60030144N
600	24	32	1.26	4.2 / 3.5	.165/.138	144	2.800	AL60032144	AL60032144N

* Special sizes on request

05 DRYTECH® TCT LBS IMPACT RESISTANT SAW BLADES

+ DESCRIPTION

Our solution for cordless tools is compatible with all commonly used machines. It is ideal for cutting metal, including grids, grates, trapezoidal sheets, pipes, conduits, shutter pipes, and more. The eco-friendly dry cut technology and ultra-thin blades (1.0 - 1.5 mm) save material and time. These innovations make work more efficient and sustainable.

+ APPLICATION

For cordless tools.
Applicable on machines from Bosch, Makita, Metabo, Milwaukee, Hilti, etc.

+ MATERIAL

Ideal for cutting metal...

- grids
- grates
- trapeziodal sheets
- pipes
- conduits
- shutter pipes
- others...

+ ADVANTAGES

- eco friendly dry cut technology
- ultra thin - 1.0 - 1.5 mm
- saves material
- saves time
- saves battery power

+ SPECIFICATIONS

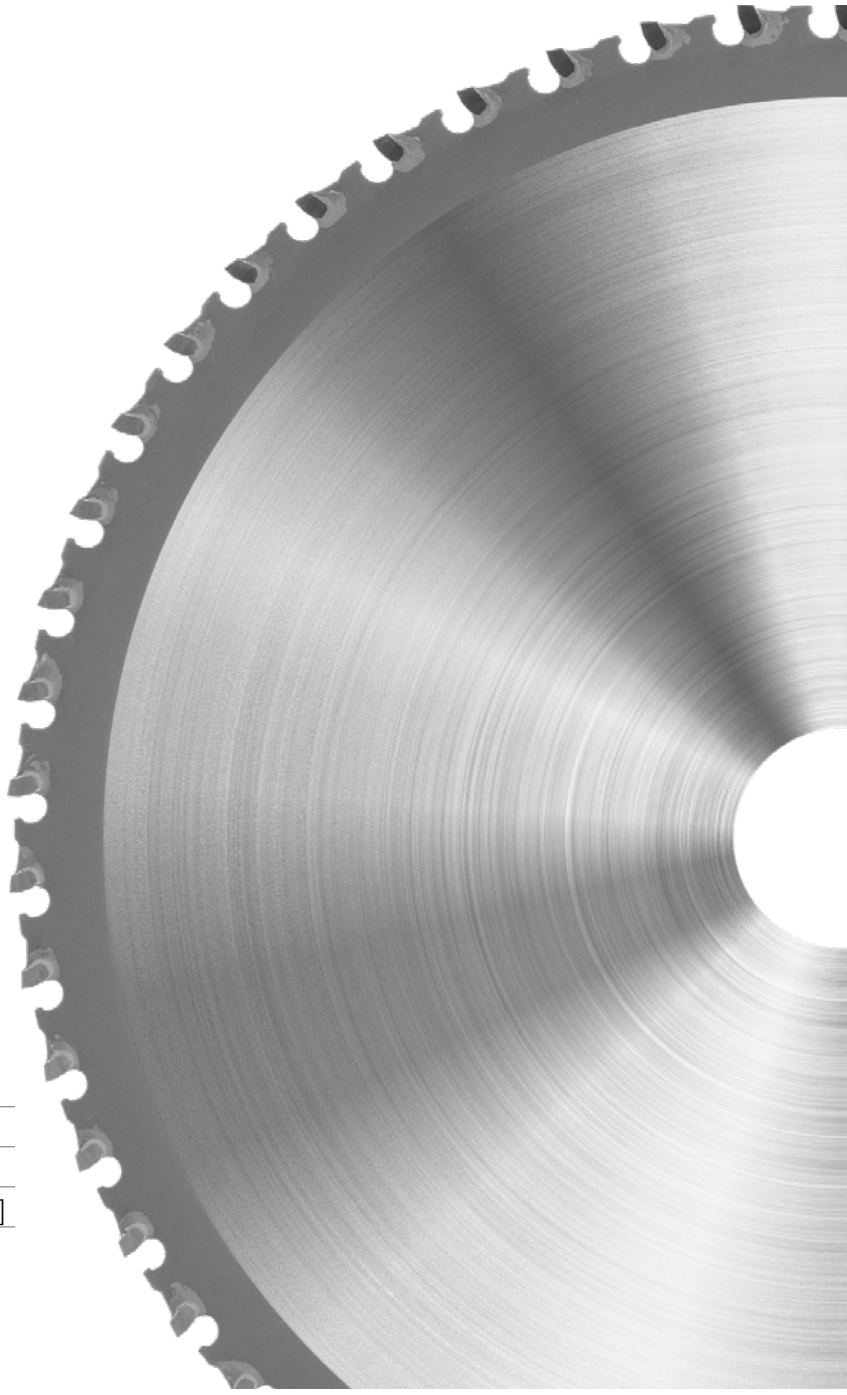
saw blade diameter	137 - 255 [mm] | 5 3/8 - 10 ["]
cutting speed	max. 4.500 [m/min]
kerf	1,0 - 1,5 [mm] | .039 - .059 ["]

+ PRODUCT RANGE

Ø		bore		kerf		teeth	max. rpm	t. shape	reference	for machine
mm	inch	mm	inch	mm	inch					
137	5 3/8	20	0.79	1,0	.039	30	4500	ATB	72213730	Bosch, Milwaukee,Makita etc.
150	6	20	0.79	1,2	.047	34	4500	ATB	72215034	Makita, Milwaukee etc.
165	6 1/2	20	0.79	1,2	.047	40	4200	W	72216540	Metabo, Milwaukee, Hikoki, Hilti
180	7	20	0.79	1,2	.047	48	4000	W	72218048	Flex, Hitachi, Makita, Rexon, Hilti etc.
184	7 1/4	16	0.63	1,2	.047	48	4000	W	72218448	Bosch, Dewalt, Makita, Milwaukee
192	7 1/2	20	0.79	1,2	.047	48	4000	W	72219248	Jepson Power HDC 8219
203	8	25,4	1.00	1,2	.047	48	3800	W	72220348	AEG, Bosch, Jepson Power etc.
203	8	16	0.63	1,2	.047	48	3800	W	72220348M	Milwaukee
230	9	25,4	1.00	1,4	.055	60	3000	W	72223060	Jepson Power HDC 8230N
255	10	25,4	1.00	1,5	.059	66	2200	W	72225566	Jepson Power DMC 9410ND

+ DESCRIPTION

Our solution for cordless tools is compatible with all commonly used machines. It is ideal for cutting any stainless steel work. The eco-friendly dry cut technology and thin blades (1.3 - 1.4 mm) save material and time. These innovations make work more efficient and sustainable.



+ APPLICATION

For cordless tools.
Applicable on machines from Bosch, Makita, Metabo, Milwaukee, Hilti, etc.

+ MATERIAL

Ideal for cutting stainless...

- trapeziodal sheets
- pipes
- others...

+ ADVANTAGES

- eco friendly dry cut technology
- clean cut
- less flying sparks
- very high durability
- no tarnishing of the material
- low friction
- material-saving, efficient and fast
- environmentally friendly, without coolant
- longer battery performance through innovative teeth

+ SPECIFICATIONS

saw blade diameter	137 - 203 [mm] | 5⅜ - 8 [“]
cutting speed	max. 4.000 [m/min]
kerf	1,5 - 1,7 [mm] | .059 - .067 [“]

+ PRODUCT RANGE

Ø		bore		kerf		teeth	max. rpm	t. shape	reference	for machine
mm	inch	mm	inch	mm	inch					
137	5 ⅜	20	0.79	1,5	.059	30	4000	VVC	72113730I	Bosch, Milwaukee, Makita etc.
150	6	20	0.79	1,5	.059	42	4000	VVC	72115042I	Makita, Milwaukee etc.
165	6 ½	20	0.79	1,7	.067	48	4000	VVC	72116548I	Metabo, Milwaukee, Hikoki, Hilti
203	8	25,4	1.00	1,7	.067	54	3800	VVC	72120354I	Jepson Power 8203E
203	8	16	0.63	1,7	.067	54	3800	VVC	72120354IM	Milwaukee

07 DRYTECH® TCT MILING SAW BLADES FOR METAL

+ DESCRIPTION

Drytech® offers an extraordinary range of carbide-tipped saw blades for a wide variety of applications. Our R&D department will be delighted to support you by customer-specific adaptations. By offering competent advice, we can produce special saw blades according to your requirements from saw blade diameter of 100 mm.

+ APPLICATION

5-axis machining centers

+ MATERIAL

Ideal for cutting materials made of stainless steel, mild steel and aluminum

+ ADVANTAGES

- high resistance TCT saw blade
- cost-effectiveness
- excellent cutting surface
- resharpenable
- for deep saw cuts, slotting or milling
- variable pitch for aluminum cutting
- anti–vibration for smooth cutting and higher blade life.

+ SPECIFICATIONS

saw blade diameter	100 - 160 [mm] | 4 - 6 [“]
cutting speed	cutting: max. 4.000 [m/min] milling: max. 200 [m/min]
kerf	1,0 - 3,0 [mm] | .039 - .118 [“]

+ CUTTING PARAMETERS (MILLING)

Aluminum v_c = 320 m/min	f_z = 0,029 mm
Steel v_c = 125 m/min	f_z = 0,029 mm
Inox v_c = 125 m/min	f_z = 0,029 mm

+ PRODUCT RANGE

milling blades

Ø		kerf		teeth	max. speed m / min	t. shape	reference
mm	inch	mm	inch				
100	4	3,0	.118	26	200	TCG	DTS100326
125	5	3,0	.118	26	200	TCG	DTS125326
160	6	3,0	.118	28	200	TCG	DTS160328
100	4	2,5	.098	26	200	TCG	DTS10026S
160	6	3,0	.118	28	200	TCG	DTS16028S
100	4	2,5	.098	16	200	TCG	DTS10016A
100	4	3,0	.118	16	200	TCG	DTS10016A1
125	5	3,0	.118	16	200	TCG	DTS12516A
160	6	3,0	.118	16	200	TCG	DTS16016A

+ PRODUCT RANGE

cutting blades

Ø		kerf		teeth	max. speed m / min	t. shape	reference
mm	inch	mm	inch				
100	4	1,0	.039	40	4.000	TCG	DTS10040TS
100	4	1,6	.063	22	4.000	TCG	DTS10022S
110	4½	1,6	.063	24	4.000	TCG	DTS11024S
110	4½	1,6	.063	36	4.000	VVC	DTS10036ST
125	4	1,6	.063	28	4.000	TCG	DTS12528S
125	4	1,5	.059	30	4.000	VVC	DTS12530ST
100	4	1,8	.071	30	4.000	TCG	DTS10030A
110	4½	1,8	.071	30	4.000	TCG	DTS11030A
125	5	1,8	.071	36	4.000	TCG	DTS12536A

08 DRYTECH® TCT AURORA SAW BLADES FOR CARBON FIBER REINFORCED PLASTICS

+ DESCRIPTION

Machining of carbon-fiber-reinforced plastics is currently dominated by milling technology, as this is associated with challenges for conventional saws due to the amount of dust volume. But cutting instead of milling is an advantage by trimming large parts during the machining process.

Using DRYTECH® Aurora saw blades in Carbon fiber reinforced plastics lead to high-cost efficiency due to time and material savings. Our high-tech thin-cutting technology and the associated low dust volume in connection with high blade life performance and excellent cutting quality making further reworking superfluous.

In addition to our standard range, we also manufacture customer-specific dimensions. Competent advice and the possibility of performing cutting tests in our in-house test center fulfill our service.

+ APPLICATION

- Robots
- Milling Centres
- 5-Axe CNC Machining Centres
- Aluminum & Wood Working Machines

+ MATERIAL

- carbon - fiber reinforced plastics
- carbon - fiber reinforced thermo plastics
- aramid fibre reinforced
- plastics
- glass - fiber composite
- prepreg
- pipes
- profiles
- plates

+ ADVANTAGES

- clean cutting edge
- prevent delamination due to finest pitch
- less dust volume
- material saving through thin cut technology
- less heat development due to lower cutting resistance

+ SPECIFICATIONS

saw blade diameter	70 - 405 [mm] | 2 3/4 - 16 [“]
feed speed	4.000 - 15.000 [mm/min]
cutting speed	3.000 [m/min]
kerf	1 - 2,5 [mm] | .039 - .1 [“]

+ PRODUCT RANGE

wall thickness up to 10 mm

Ø		bore		kerf		blade body		teeth	reference
mm	inch	mm	inch	mm	inch	mm	inch		
70	2 ¾	22,2	0.87	1	.039	0,9	.035	60	AURDTS07060
80	3	22,2	0.87	1	.039	0,9	.035	68	AURDTS08068
115	4 ½	22,2	0.87	1	.039	0,9	.035	100	AURDTS115100
120	4 ¾	22,2	0.87	1	.039	0,9	.035	60	AURDTS120060
								6	AURDTS120080
								7 1/2	AURDTS120100
150	6	25,4	1.00	1	.039	0,94	.037	80	AURDTS150080
								10	AURDTS150100
								12	AURDTS150120
192	7 ½	20,0	0.79	1	.039	0,94	.037	160	AURDTS192160
200	8	30,0	1.18	1,2	.047	0,94	.037	180	AURDTS200180
255	10	25,4	1.00	1,4	.055	1,2	.047	220	AURDTS255220
305	12	30,0	1.18	1,6	.063	1,4	.055	260	AURDTS305260
355	14	25,4	1.00	2,0	.079	1,7	.067	300	AURDTS355300
405	16	30,0	1.18	2,5	.098	2,25	.089	280	AURDTS405280

Customized pin holes and bore on request!

+ PRODUCT RANGE

wall thickness greater than 10 mm

Ø		bore		kerf		blade body		teeth	reference
mm	inch	mm	inch	mm	inch	mm	inch		
250	10	30	1.18	4	.157	3	.118	80	AURDTS250080
305	12	30	1.18	4	.157	3	.118	100	AURDTS305100
355	14	30	1.18	4	.157	3	.118	120	AURDTS355120

Customized pin holes and bore on request!

09 THROW AWAY TCT CARBIDE TIPPED SAW BLADES FOR SOLID MATERIALS AND THICK WALLED TUBES

+ DESCRIPTION

Selecting the right saw blade is the essential first step for an efficient mass production.
TA-TCT saw blades are designed for mass cutting of automobile parts and forged materials which requires severe cutting controls of section. Our saw blades are produced under strict quality control regarding cutting surface, precision and any other aspects.

+ APPLICATION

- hinges
- gear wheels
- cylinder barrels
- forgings
- ball bearings
- bevel wheel
- iron and steel trade

+ MATERIAL

- steel
- stainless steel
- non-ferrous steel
- cast iron

+ ADVANTAGES

- higher cutting life
- better cutting surface
- higher cutting speed

+ SPECIFICATIONS

saw blade diameter	250 - 460 [mm] | 10 - 18 ["]
cutting speed	200 [rpm]
kerf	1 - 2,5 [mm] | .039 - .1 ["]

speical size on request!

+ WHICH SPEED FOR WHICH MATERIAL?

Material DIN	Cutting speed	Feed speed/tooth
St 33	140 (120 - 140) | for pipes: 200	0.05 (0.04-0.08)
CK 10 C10	140 (120 - 140)	0.05 (0.04-0.08)
CK15 C15	140 (120 - 140)	0.05 (0.04-0.08)
CK25 C25	140 (120 - 140)	0.05 (0.04-0.08)
CK50 C35	130 (120 - 140)	0.05 (0.04-0.07)
CK40 C40	130 (120 - 140)	0.05 (0.04-0.07)
CK45 C45	130 (120 - 140)	0.05 (0.04-0.07)
CK50 C50 / CK55 C55 / CK60 C60	100 (100 - 120)	0.05 (0.04-0.07)
37Cr 4 / 41Cr 4	100 (100 - 120)	0.05 (0.04-0.07)
34CrMo 4 / 42CrMo 4 / 100Cr 6	100 (100 - 120)	0.05 (0.04-0.07)
X 210 Cr 12	90	0.05 (0.04-0.06)
5CrnNi	100	0.05 (0.04-0.06)
1810	100	0.05 (0.04-0.06)

+ PRODUCT RANGE

Ø		bore		kerf		teeth	cutting capacity	reference
mm	inch	mm	inch	mm	inch			
250	10	32	1 ¼	2,0	.079	54	Ø 40 ~ Ø 50	THEZ25054
						60	Ø 30 ~ Ø 40	THEZ25060
						72	Ø 15 ~ Ø 30	THEZ25072
						160	Ø 1.2 ~ Ø 3.5 (wt)	TH255160
285	11	32/40	1 ¼ / 1 ½	2,0	.079	60	Ø 45 ~ Ø 75	THEZ28560
						72	Ø 30 ~ Ø 45	THEZ28572
						80	Ø 25 ~ Ø 40	THEZ28580
						120	Ø 15 ~ Ø 30	THEZ285120
						180	Ø 1.2 ~ Ø 3.5 (wt)	TH285180
						200	Ø 1.2 ~ Ø 3.5 (wt)	THEZ285200
350	14	50	2	2,7	.106	120	Ø 30 ~ Ø 50	TH350120
						140	Ø 15 ~ Ø 30	TH350140
360	14	40/50	1 ½ / 2	2,6	.102	60	Ø 65 ~ Ø 100	THEZ36060
						80	Ø 30 ~ Ø 65	THEZ36080
						100	Ø 10 ~ Ø 30	THEZ360100
425	17	50	2	2,7	.106	60	Ø 50 ~ Ø 110	THEZ42560
						80	Ø 35 ~ Ø 80	THEZ42580
						100	Ø 30 ~ Ø 65	THEZ425100
						120	Ø 20 ~ Ø 40	THEZ425120
460	18	50	2	2,7	.106	60	Ø 65 ~ Ø 120	THEZ46060
						80	Ø 50 ~ Ø 80	THEZ46080
						100	Ø 40 ~ Ø 60	THEZ460100

wt = wall thickness

+ WHICH MACHINE DOES MY SAW BLADE FIT? (EXAMPLES)

machine	model	Ø		bore		kerf		pin holes
		mm	inch	mm	inch	mm	inch	
Amada	CM75AN	285	11	40	1 ½	2,0	.079	2/12/80
	CM100AN	360	14	40	1 ½	2,6	.102	4/12/90
	CM150AN	460	18	40	1 ½	2,7	.106	4/12/90
Behringer - Eisele	HCS 70	250	10	40	1 ½	2,0	.079	2/15/80
		285	11	40	1 ½	2,0	.079	2/15/80
	HCS 90	285	11	40	1 ½	2,0	.079	2/15/80
		360	14	40	1 ½	2,6	.102	2/15/80
	HCS 130	360	14	40	1 ½	2,6	.102	2/15/80
		420	16 ½	40	1 ½	2,7	.106	2/15/80
	HCS 150	360	14	40	1 ½	2,6	.102	2/15/80
		420	16 ½	40	1 ½	2,7	.106	2/15/80
		460	18	40	1 ½	2,7	.106	2/15/80
Kasto	WAC7 SPEED C9	250	10	32	1 ¼ /	2,0	.079	4/9/50+4/11/63
		285	11	32	1 ¼ /	2,0	.079	4/9/50+4/11/63
		250	10	32	1 ¼ /	2,0	.079	4/9/50+4/11/63
		285	11	32	1 ¼ /	2,0	.079	4/9/50+4/11/63
		315	12 ½	32	1 ¼ /	2,5	.098	4/9/50+4/11/63
	VARIOSPEED C14 VARIOSPEED C15	360	14	50	2	2,6	.102	4/15/80
		425	17	50	2	2,7	.106	4/15/80
		425	17	50	2	2,7	.106	4/15/80
		460	18	50	2	2,7	.106	4/15/80
Rattunde	ACS 90/2 ACS 102	350 - 400	14 16	50	2	2,6	.102	4/15/80
Sinico	TOP 2000	360 - 370	14 14	50	2	2,6	.102	4/15/80

JEPSON POWER® GERMANY
Leading Through Innovation since 1984

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